

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 015280-457100US
INTERNATIONAL APPLICATION NO. PCT/US02/40641	INTERNATIONAL FILING DATE December 18, 2002	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/500,342
PRIORITY DATE CLAIMED December 27, 2001		
TITLE OF INVENTION Automated Centerline Detection Algorithm For Colon-Like 3D Surfaces		
APPLICANT(S) FOR DO/EO/US Gheorghe IORDANESCU, Ronald SUMMERS and Juan Raul CEBRAL		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. (Supplemental) 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Express Mail Label No. EV332020985US, Notification of Error in Small Entity Status and Payment of Deficiency, and Copy of Notification of Missing Requirements 		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/500,342		INTERNATIONAL APPLICATION NO. PCT/US02/40641		ATTORNEY'S DOCKET NUMBER 015280-457100US	
---	--	---	--	---	--

21. The following fees are submitted: <input type="checkbox"/> a) Basic national fee..... \$300.00 <input type="checkbox"/> b) Examination fee..... \$200.00 <input type="checkbox"/> c) Search fee..... \$500.00 TOTAL OF ABOVE CALCULATIONS = \$1000.00 <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				Applicant use	Office use only
				\$	
				\$	
				\$	
				\$	

Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00	\$	

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130.00	
--	--	--	--	-----------	--

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =		x \$50.00	\$	
Independent claims	- 3 =		x \$200.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	

TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$	

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$	

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$130.00	

01 /05/2005 LLANDGRA 00000032 201430 10500342	Amount to be refunded:	\$	
01 FC:1617 130.00 DA	Amount to be charged	\$ 130.00	

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 20-1430 in the amount of \$ 130.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

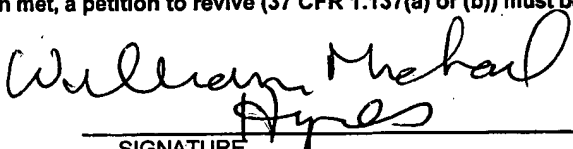
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-1430. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

William Michael Hynes, Esq.
Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111



 SIGNATURE
 William Michael Hynes

 NAME
 24,168

 REGISTRATION NUMBER



UNITED STATES PATENT AND TRADEMARK OFFICE

015280-457100US

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/500,342

FIRST NAMED APPLICANT

Ghorghe Iordanescu

ATTY. DOCKET NO.

015280-457100US

INTERNATIONAL APPLICATION NO.

PCT/US02/40641

I.A. FILING DATE

12/18/2002

PRIORITY DATE

12/27/2001

William Michael Hynes
 Townsend and Townsend and Crew
 Two Embarcadero Center
 8th Floor
 San Francisco, CA 94111-3834

CONFIRMATION NO. 8951

371 FORMALITIES LETTER



OC000000014163902

Response Due

1/1/04

Date Mailed: 11/01/2004

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 06/24/2004
- Copy of the International Search Report filed on 06/24/2004
- Copy of IPE Report filed on 06/24/2004
- Request for Immediate Examination filed on 06/24/2004
- Copy of references cited in ISR filed on 06/24/2004
- U.S. Basic National Fees filed on 06/24/2004
- Priority Documents filed on 06/24/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$65 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Late oath or declaration Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE

DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

Telephone: (703) 305-3737

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/500,342	PCT/US02/40641	015280-457100US

FORM PCT/DO/EO/905 (371 Formalities Notice)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Gheorghe IORDANESCU, Ronald
SUMMERS and Juan Raul CEBRAL

Int'l Application No.: PCT/US02/40641

U.S. Application No.: 10/500,342

Int'l Filing Date: December 18, 2002

For: AUTOMATED CENTERLINE
DETECTION ALGORITHM FOR
COLON-LIKE 3D SURFACES

Examiner:

Art Unit:

TRANSMITTAL LETTER –
RESPONSE TO NOTIFICATION OF
MISSING REQUIREMENTS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the Notification of Missing Requirements dated November 1, 2004,
enclosed are the following to be made of record in the above-identified application:

- 1) Executed Declaration;
- 2) Notification Of Error In Small Entity Status And Payment Of Deficiency;
- 3) Supplemental ADS; and
- 4) Copy of Notification of Missing Requirements.

01/27/2005 CSMOOT 00000002 201430 10500342

Sale Ref: 00000003 DAW: 201430 10500342

01 FC:1609 730.00 DA

02 FC:1614 86.00 DA

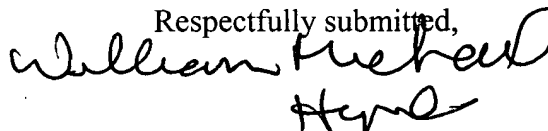
Please charge Deposit Account No. 20-1430 for the following fees:

Large Entity: (d) Missing Parts Surcharge \$130

TOTAL FEES TO BE CHARGED \$130

The Commissioner is hereby authorized to charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to Deposit Account No. 20-1430. This Transmittal Letter is submitted in duplicate.

Respectfully submitted,



William Michael Hynes
Reg. No. 24,168

Customer No. 45115

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415 576-0300
WMH:sba

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Gheorghe IORDANESCU, Ronald
SUMMERS and Juan Raul CEBRAL

Int'l Application No.: PCT/US02/40641

U.S. Application No.: 10/500,342

Int'l Filing Date: December 18, 2002

For: AUTOMATED CENTERLINE
DETECTION ALGORITHM FOR
COLON-LIKE 3D SURFACES

Examiner:

Art Unit:

NOTIFICATION OF ERROR IN SMALL
ENTITY STATUS AND PAYMENT OF
DEFICIENCY OWED UNDER 37 CFR
§1.28(c)

December 30, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The above-identified application filed on June 24, 2004 originally claimed small entity status. However, it has recently been discovered that such status as a small entity was established in error due to inadvertence and without deceptive intent. The following submission and itemization hereby meet the requirements of 37 C.F.R. Sections 1.28(c)(1) and (c)(2) and MPEP Section 509.03(X). Therefore, Applicant respectfully requests the total deficiency payment be processed as set out below and that the error be excused.

ITEMIZATION AND CALCULATION OF THE DEFICIENCY OWED

DATE FILED	TYPE OF FEE	SMALL FEE ACTUALLY PAID	(CURRENT) LARGE FEE APPLIED	DEFICIENCY PAYMENT OWED
6/24/2004	Basic national filing fee (including examination fee and search fee)	\$365.00	\$1000.00	\$635.00

Appln. No.: 10/129,393
Page 2

6/24/2004	2 extra independent claims in excess of 3	\$86.00	\$400.00	\$314.00
-----------	--	---------	----------	----------

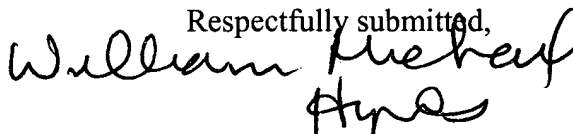
TOTAL DEFICIENCY OWED: \$949.00

Applicants hereby authorize the Commissioner to deduct the total fees of \$949.00 from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account. A duplicate of this sheet is enclosed.

Applicant understands that under 37 CFR §1.27(g)(2) and §1.28(d) this submission is treated as a notification of loss of small entity status.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415.576.0200.

Respectfully submitted,



William Michael Hynes
Reg. No. 24,168

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: (415) 576-0200
Fax: (415) 576-0300
WMH:sba
60388883 v1